



SAYBOLT LP
400 Swenson Drive
Kenilworth, New Jersey 07033
(908) 245-3100 (24 Hour)

Date: 30-Dec-03
Job No: 13031-0302287

LABORATORY CERTIFICATE OF ANALYSIS

Client: Inventory

Vessel: SHORE TK 5 COMPOSITE U-M-L
Terminal/Port: SPRAGUE RENNELAER, NY
Sample Designated As: #6 FUEL OIL
Drawn By: SAYBOLT INSPECTOR

Lab Reference No: 1203-1639
Date Taken: 26-Dec-03
Date Tested: 30-Dec-03

Test	Units	Method	Result
Gravity API	@ 60 Deg. F.	ASTM D-1298	15.8
Flash Point	Deg. F.	ASTM D-93B	220
Ash,	Weight %	ASTM D-482	0.049
Pour Point	Deg. C / Deg. F	ASTM D-97	-3/27
Sulfur, X-Ray	Weight %	ASTM D4294	0.50
Viscosity, KIN CST @ 122 F.	Deg. F.	ASTM D-445	153.9
Viscosity, KIN SSF @ 122 F.	Deg. F.	ASTM D-445	73.4
Water & Sediment (BS&W)	Volume %	ASTM D-1796	0.20
Water by Distillation	Volume %	ASTM D-95	0.20
Sediment by Extraction	Weight %	ASTM D-473	0.020
Carbon Residue, Conradson	Weight %	ASTM D-189	6.5
Nitrogen	Weight %	ASTM D-5792	0.2901
B.T.U. Value (Gross)	BTU/LB	ASTM D-240	18665
B.T.U. Value (Gross)	BTU/GAL	ASTM D-240	149320
Asphaltenes	Weight %	IP-143	1.48
Sodium, ppm		SOL/DOL	6.8
Vanadium,		SOL/DOL	10
<p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p>			
End of Analysis			
Precision parameters apply in the determination of the test results specified above. Please also refer to ASTM D-3244 / 77 (83), IP-367 and appendix "E" of IP standard methods for analysis and testing with respect to the utilization of test data to determine conformance with the relevant ASTM or IP specifications.			

Remarks:

Precision parameters apply in the determination of the test results specified above. Please also refer to ASTM D-3244/77(83), IP-367 and appendix "E" of IP standard methods for analysis and testing with respect to the utilization of test data to determine conformance with the relevant ASTM or IP specifications. Note: ASTM D-3244 does not apply to RFG Testing

Saybolt LP

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